

DIALOG(R)File 351:Derwent WPI
(c) 2002 Thomson Derwent. All rts. reserv.

012008787

WPI Acc No: 1998-425697/ 199836

XRPX Acc No: N98-332293

Biostimulation procedure for farmed poultry - applying light stimulation
e.g. in form laser beam to eggs before incubating

Patent Assignee: KOLTSOV YU V (KOLT-I)

Inventor: KOLTSOV YU V; KOROLEV V N; KUSAKIN S A

Number of Countries: 001 Number of Patents: 001

Basic Patent:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------

RU 2101939	C1	19980120	RU 95119783	A	19951121	199836 B
------------	----	----------	-------------	---	----------	----------

Priority Applications (No Type Date): RU 95119783 A 19951121

Abstract (Basic): RU 2101939 C

The procedure consists of irradiating the eggs of farmed poultry such as hens, ducks and geese with optical light before placing in incubators. The radiation is applied from an injection semi-conductor source at a dose rate of 1-1000 J/sq m, using a laser or a light diode with or without a polariser.

The radiation source can be lightweight and portable, producing light at a wavelength of 850 Nm or 820 and 1300 Nm, is inexpensive and suitable for small-scale poultry-farming.

ADVANTAGE - Substantial increase in hatching and survival rates. Losses are reduced by 4-5 times and survival rates increased by about 8 per cent.

Dwg.0/0

Title Terms: PROCEDURE; POULTRY; APPLY; LIGHT; STIMULATING; FORM; LASER; BEAM; EGG; INCUBATE

Derwent Class: P14; P34; S05; X25

International Patent Class (Main): A01K-041/00

International Patent Class (Additional): A01K-045/00; A01K-067/00; A61N-005/06

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): S05-A03A2; S05-X; X25-N02

?